

No. IV-15017/2/2005-Prov(MT)-ITBP  
Government of India  
Ministry of Home Affairs

9/11

26, Man Singh Road, Jaisalmer House,  
New Delhi, 12.11.2010

To

The DG:ITBP

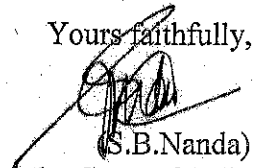
Subject: - Approval of QRs/Technical specifications of All Terrain Vehicle (ATV)

Sir,

The QRs/Technical Specifications for the All Terrain Vehicle (ATV) has been approved by the Competent Authority in MHA and the same are enclosed for information and Record.

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.

Yours faithfully,



(S.B.Nanda)

Under Secretary to the Govt. of India

Encls: 4 sheets

Copy to:-

DD(Procurement),MHA

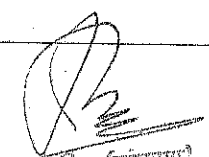
Copy for information to:-

PS to JS(PM),MHA

**PROPOSED QRS FOR LIGHT SPECIALISED VEHICLES**

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SN	Parameters	Specifications
1	Seating capacity	5+1
2	Body and Cabin structure	Body of the vehicle should be adapted to various modifications to suite requirements as per areas of deployment in High altitude areas. Driver cabin should be hard top with hard doors and load body with roll over bars. Bucket type seats for driver/co-drivers and four Nos foldable/easily removable seats in load body. Standard dash board gauges with time clock.
3	Engine Power	High powered engine (developing power ranging from 120 hp to 190 hp) with over heat protection and to prevent seizure of engine in extreme cold conditions. Trial will be conducted.
4	Vehicle configuration	<b>Emission :</b> BS III or better compliant <b>Transmission:</b> Fully automatic transmission with pre-selective gearing system. <b>Suspension:</b> Leaf spring suspension at front and rear with shock absorbers at front and rear for ride comfort <b>Brakes:</b> Dual brake system with anti lock braking facility. <b>Steering:</b> Right hand Drive, power steering <b>Dimension:</b> Length upto 5500 mm width & height upto 2500 mm <b>Wheel:</b> All terrain tyres for good cross country mobility in high altitude areas with provision for fitting of snow chain/anti skid chain.
5	Pay load	Minimum 1000 kg with equipments.
6	Speed a) On road speed b) Cross country	Not less than 80 kmph Not less than 30 kmph on normal cross country and 45 kmph on unprepared/gravel road.
7	Range	Min. 500 km on road.
8	Turning radius	Note more than 16 Mtr.
9	Gradient	Min 30 degree
10	Side slope	Min 15 degree
11	Vertical obstacle	Min. 300 mm
12	Trench crossing ability including river/water crossing	Min 400 mm
13	Lighting system	12 V 80 AH. Alternator 100 to 150 amp with battery charging for extra battery through main engine. Adequate lights including light in engine compartment and arrangements for blackout of head lamps, tail light and brake lights when required, fog light and convoy lights. An extension socket on the dashboard to be provided

  
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 Maharashtra Police

14	Fuel system	Diesel/Petrol
15	Fuel tank capacity	Not less than 75 Ltrs
16	Fordability	Min. 600 mm unprepared
17	Operating temperature	-30 degree to +45 degree
18	Gross vehicle weight	Not more than 4800 Kg
19	Ground clearance	Min. 250 mm under axle.
20	Facilities and equipments required	Cold starting facility and able to operate on sub zero level temperature upto -30° C Provision for mounting of weapon. Towing hooks with towing capacity about 3 Ton Self recovery winch. Brackets/arrangement for fitting GPS. Provision for telescopic mast. Provision for latest wireless and radio communication. Fire fighting equipments suitably fitted on the vehicle. Drinking water facility. Climatic control system with wall and piles. Camouflage nets with poles. Tools and spares receptacle.

**Field trial:**

Procurement of Specialist vehicle would be considered subject to successful field trial of technically qualified vehicle in the areas of deployment of ITBP. Vehicle should be readily available for trial by the bidder.

**Training:**

Supplier to impart training to ITBP personnel for operation and maintenance of the Vehicle

**Logistics:**


Logistic support package shall be provided including workshop repair manual, illustrated parts catalogue, operation and maintenance manual.

**After sale service:**

After sale service to be provided on requirement alongwith regular supply of spare parts. Maintenance parts should be readily available.

**Warranty:**

Supplier will provide guarantee for maintaining the vehicle for one year with further extended warranty for the next three years. Rates for such warranty should be quoted in offer as part of cost.

  
 ज.म.नि. (संभरण)  
 DIG (Prov.)  
 महानिदेशालय, मा.ति.सो. पुलिस  
 Dte. Genl. I.T.B. Police